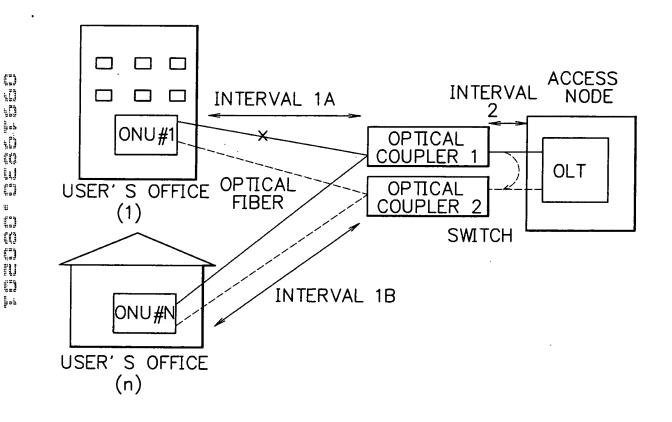
Hiroshi NAKAISHI

"ATM-PON Dual System, Optical Line Terming
Optical Network Unit and ATM-PON Dual MethQ65699-----Filed August 2, 2001
Sheets, 1 of 13

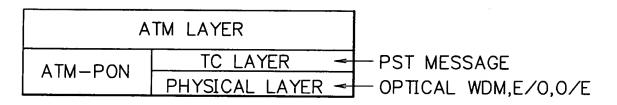
F I G. 1



Hiroshi NAKAISHI
"ATM-PON Dual System, Optical Line Termina
Optical Network Unit and ATM-PON Dual Metho
Q65699-----Filed August 2, 2001
Sheets, 2 of 13

F I G. 2

And the state of the same of the state of th



Hart Street Street

Hiroshi NAKAISHI
"ATM-PON Dual System, Optical Line Termina
Optical Network Unit and ATM-PON Dual Method
Q65699-----Filed August 2, 2001
Sheets 3 of 13

F I G. 3A

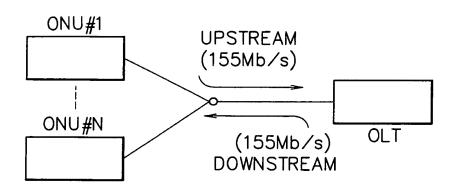
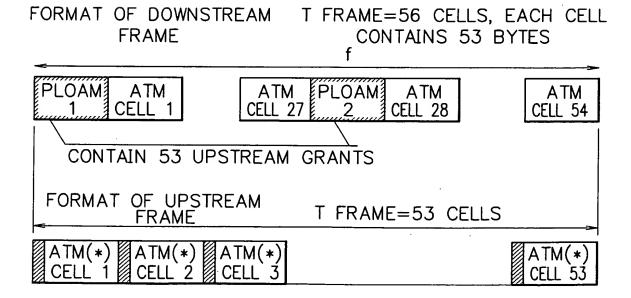
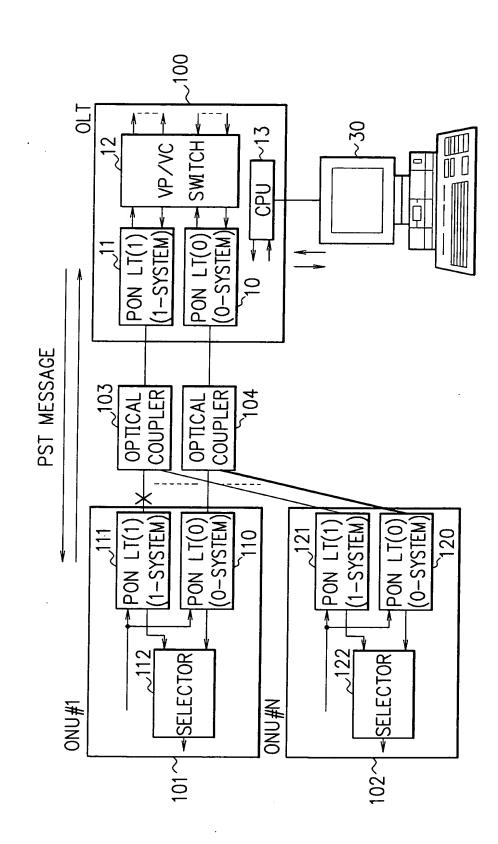


FIG. 3B







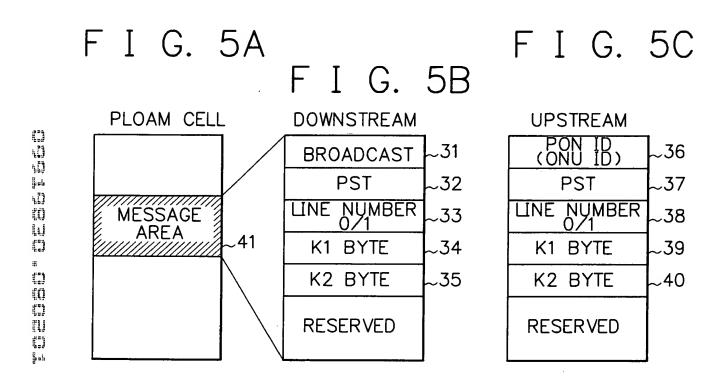
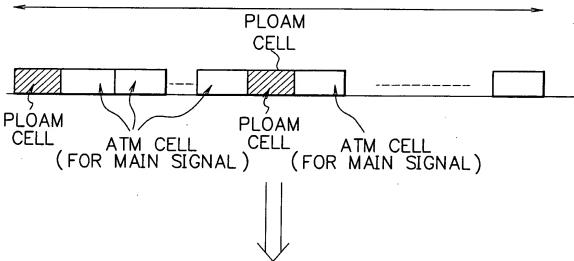


FIG. 6A

DOWNSTREAM 1 FRAME: 56 CELLS



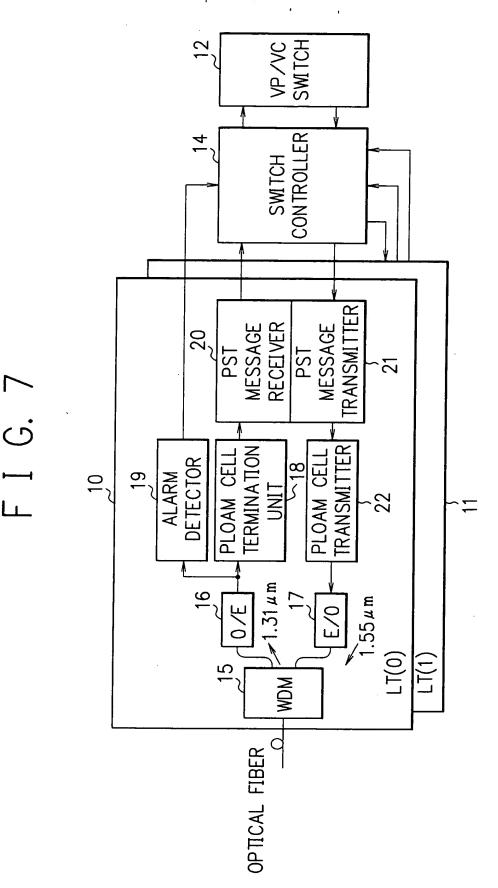
F I G. 6B

| PLOAM CELL 1 | 1 | 2 | 3 | | 27 |
|-----------------|----|----|----|------|----|
| PLOAM CELL 2 | 28 | 29 | 30 | | 56 |

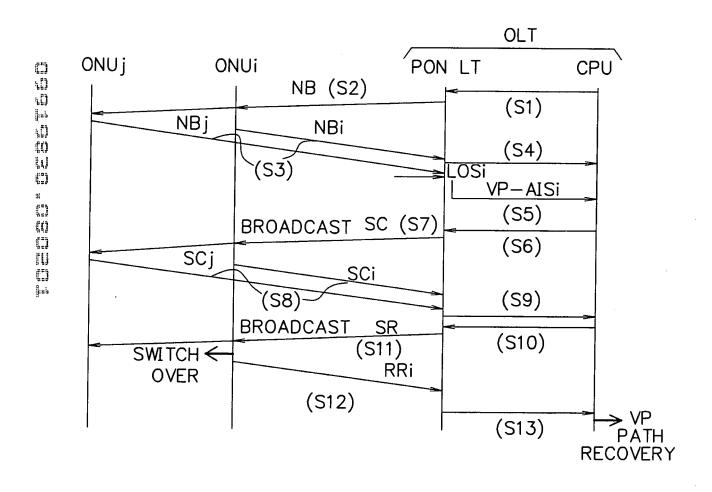
OAM FUNCTION

MAIN SIGNAL AREA

 Sheets $\frac{7}{2}$ of 13



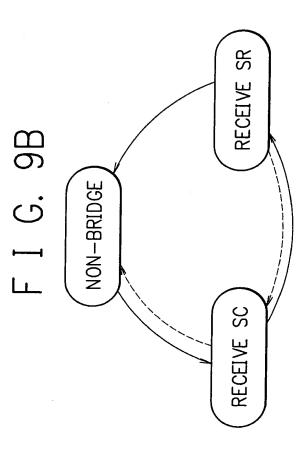
F I G. 8

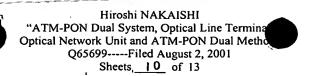


Hiroshi NAKAISHI "ATM-PON Dual System, Optical Line Termina Optical Network Unit and ATM-PON Dual Metho Q65699-----Filed August 2, 2001 Sheets ______ of 13

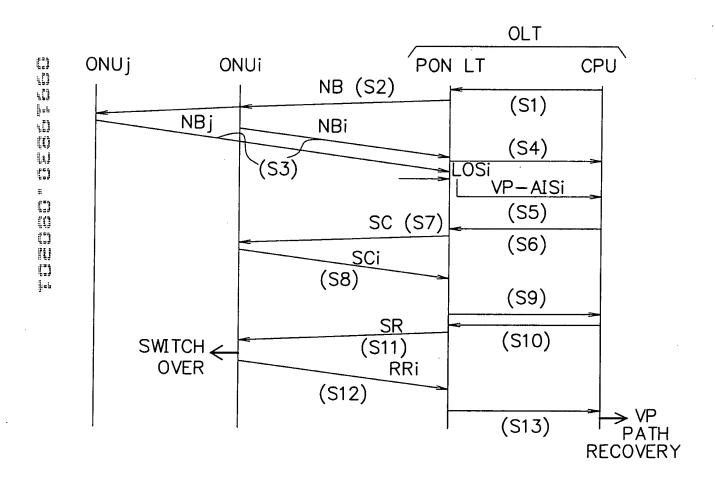
F I G. 9A

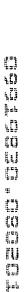
| | OPERATION EVENT | NON- BRIDGE | BRIDGE | FAULT IN BACKUP SYSTEM NON-BRIDGE | FAULT IN BOTH SYSTEMS NON-BRIDGE | |
|-------------------|--------------------|----------------|--------|---|--|---|
| PRIMARY: 0-SYSTEM | SCI(0) | > | NONE | > | NONE | |
| BACKUP: 1-SYSTEM | SCi(1) | > | > | NONE | NONE | S |

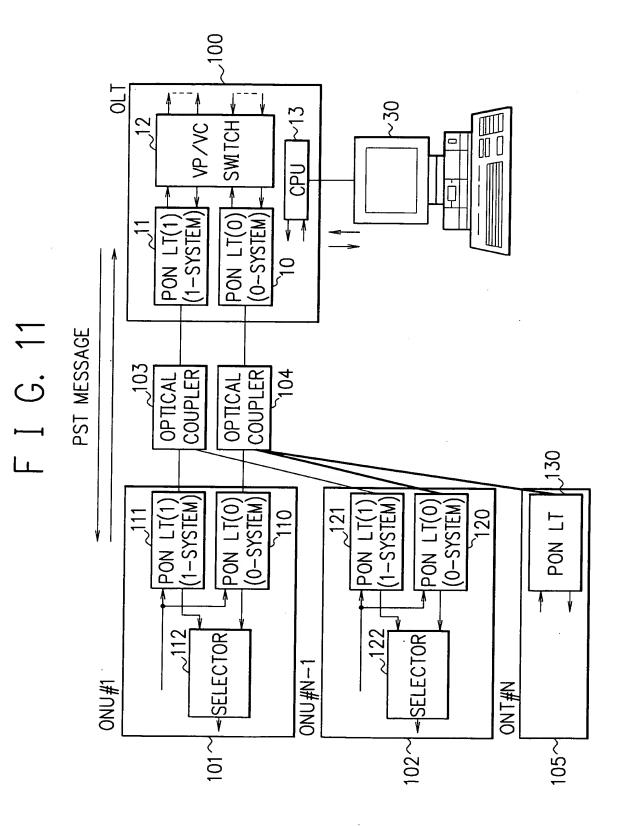


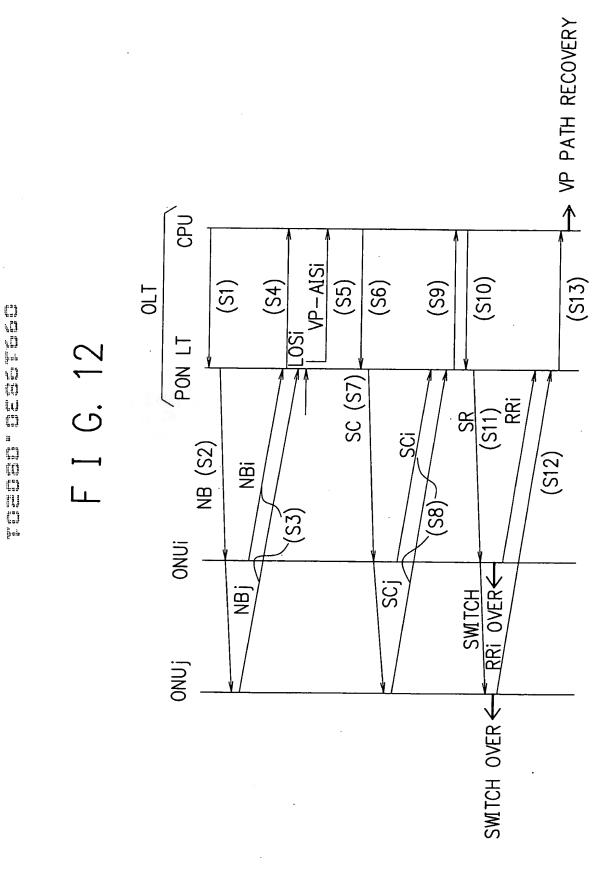


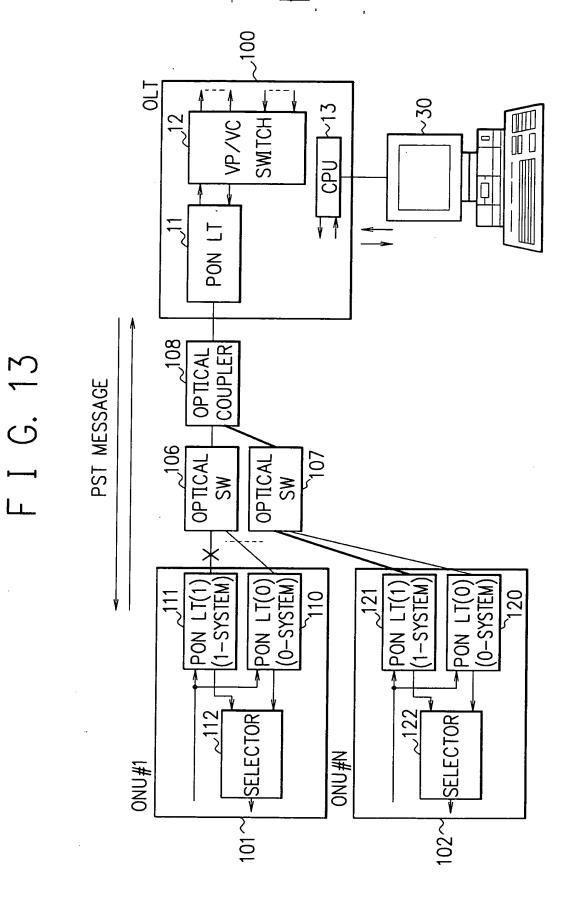
F I G. 10











der frei tres des des des des